

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 90,663-QQ)

In the Application of:

Yatvin et al.

Serial No.: 10/050,271

Filing Date: January 15, 2002

For: Microparticle-drug Conjugates for
Biological Targeting

Examiner:

Group Art Unit: 1651

RECEIVED
03 OCT 23 PM 4:20
Patent Division

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. Section 1.97 - 1.99, the Applicant wishes to make the following references of record in the above-identified application. This Information Disclosure Statement is in compliance with the continuing duty of candor as set forth in 37 C.F.R. Section 1.56. Copies of the references cited below are enclosed. These references are also listed on the enclosed PTO Form 1449.

In the judgment of the undersigned, portions of the listed references may be material to the Examiner's consideration of the presently pending claims. This statement is not a representation that the listed references have effective dates early enough to be "prior art" within the meaning of 35 U.S.C. Section 102 or Section 103.

Applicants do not believe any fee is due with this submission. If this belief be in error and the Patent Office determines that the fee prescribed in the relevant portion of 37 C.F.R. Section 1.97 is applicable, the undersigned representative by his signature hereby authorizes any such fee to be debited from Deposit Account 13-2490.

Respectfully submitted,
McDonnell Boehnen Hulbert & Berghoff

Date: October 22, 2003

Kevin E. Noonan
Reg. No. 35,303

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

90,663-QQ

Serial No.

10/050,271

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Applicant: Yatvin et al.

Filing Date: 1-15-2002

Group: 1651

U.S. PATENT DOCUMENTS

| Examiner Initial | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
|---------------------|-----------------|----------|-----------|-------|----------|-------------------------------|
| | 5 4 3 4 1 3 7 | 7-18-95 | Black | | | |
| | 5 0 1 7 5 6 6 | 5-21-91 | Bodor | | | |
| | 5 0 2 4 9 9 8 | 6-18-91 | Bodor | | | |
| | 5 1 7 7 0 6 4 | 1-5-93 | Bodor | | | |
| | 5 3 8 9 6 2 3 | 2-14-95 | Bodor | | | |
| | 5 4 1 3 9 9 6 | 5-9-95 | Bodor | | | |
| | 5 5 2 5 7 2 7 | 6-11-96 | Bodor | | | |
| | 5 4 0 5 8 3 4 | 4-11-95 | Bundgaard | | | |
| | 5 1 5 3 1 7 9 | 10-6-92 | Eibl | | | |
| | 5 0 5 3 3 9 4 | 10-91 | Ellestad | | | |
| | 5 4 4 2 0 4 3 | 8-15-95 | Fukata | | | |
| | 5 2 7 0 3 1 2 | 12-14-93 | Glase | | | |
| | 5 1 1 2 8 6 3 | 5-12-92 | Hashimoto | | | |
| | 5 0 2 3 2 5 2 | 6-11-91 | Hseih | | | |
| | 5 2 5 8 4 5 3 | 11-93 | Kopecek | | | |
| | 4 7 8 0 4 5 5 | 10-25-88 | Lieberman | | | |
| | 5 1 2 4 1 4 6 | 6-23-92 | Neuwelt | | | |
| | 4 8 4 7 2 4 0 | 7-89 | Ryser | | | |
| | 4 7 9 3 9 8 6 | 12-88 | Serino | | | |
| | 5 2 8 4 8 7 6 | 2-8-94 | Shashoua | | | |
| | 5 2 5 4 3 4 2 | 10-19-93 | Shen | | | |
| | 5 4 6 6 6 8 3 | 11-14-95 | Sterling | | | |
| | 5 0 3 9 7 9 4 | 8-13-91 | Wier | | | |
| Examiner | Date Considered | | | | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | |
|---|-----------------------------------|------------------------------|
| Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| | Applicant: Yatvin et al. | |
| | Filing Date: 01-15-2002 | Group: 1651 |

U.S. PATENT DOCUMENTS

| | | | | | | | | | | | | | |
|--|--|---|---|---|---|---|---|---|---------|--------|--|--|--|
| | | 5 | 1 | 4 | 9 | 7 | 9 | 4 | 9-22-92 | Yatvin | | | |
| | | 5 | 5 | 4 | 3 | 3 | 8 | 9 | 8-6-96 | Yatvin | | | |
| | | 5 | 5 | 4 | 3 | 3 | 9 | 0 | 8-6-96 | Yatvin | | | |
| | | 5 | 2 | 5 | 6 | 6 | 4 | 1 | | | | | |
| | | 5 | 5 | 4 | 0 | 6 | 7 | 4 | | | | | |
| | | 6 | 0 | 6 | 3 | 7 | 5 | 9 | | | | | |

FOREIGN PATENT DOCUMENTS

| | | Document Number | Date | Country | Class | Subclass | Translation | |
|--|---|-----------------|---------|---------|-------|----------|-------------|----|
| | | | | | | | Yes | No |
| | 1 | EP 0 7 7 5 2 9 | 4/27/83 | | | | | |
| | 2 | EP 1 0 9 4 8 4 | 4/83 | | | | | |
| | 3 | EP 2 0 3 6 7 6 | 12/3/86 | | | | | |
| | 4 | EP 2 7 9 8 8 7 | 8/31/88 | | | | | |
| | 5 | EP 3 0 1 2 2 3 | 12/83 | | | | | |
| | 6 | EP 3 5 0 2 8 7 | 1/10/90 | | | | | |
| | 7 | WO 85 0 2 3 4 2 | 6/6/85 | | | | | |
| | 8 | WO 89 0 0 1 6 6 | 11/89 | | | | | |
| | 9 | WO 89 0 2 9 0 9 | 1/90 | | | | | |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|-----------------------------------|--|--|------------------------------|-------------|--|
| Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | | | | | | Atty. Docket No. 90,663-QQ | | | Serial No. 10/050,271 | | |
| | | | | | | | | | | Applicant: Yatvin et al. | | | | | |
| | | | | | | | | | | Filing Date: 1-15-2002 | | | | Group: 1651 | |

| | | | | | | | | | | | | | |
|----|----|----|---|---|---|---|----|----------|--|--|--|--|--|
| 10 | WO | 89 | 1 | 0 | 3 | 4 | 8 | 11/2/89 | | | | | |
| 11 | WO | 89 | 1 | 1 | 2 | 9 | 9 | 11/30/89 | | | | | |
| 12 | WO | 90 | 0 | 0 | 5 | 5 | 5 | 1/25/90 | | | | | |
| 13 | WO | 90 | 0 | 1 | 0 | 0 | 2 | 9/90 | | | | | |
| 14 | WO | 90 | 0 | 4 | 0 | 8 | 7 | 2/91 | | | | | |
| 15 | WO | 90 | 1 | 0 | 4 | 4 | 8 | 9/20/90 | | | | | |
| 16 | WO | 91 | 0 | 1 | 7 | 5 | 0 | 2/21/91 | | | | | |
| 17 | WO | 91 | 0 | 2 | 6 | 9 | 1 | 10/91 | | | | | |
| 18 | WO | 91 | 0 | 4 | 0 | 1 | 4 | 4/4/91 | | | | | |
| 19 | WO | 91 | 0 | 4 | 7 | 4 | 5 | 4/18/91 | | | | | |
| 20 | WO | 91 | 1 | 4 | 4 | 3 | 8 | 10/3/91 | | | | | |
| 21 | WO | 91 | 1 | 6 | 0 | 2 | 4 | 10/31/91 | | | | | |
| 22 | WO | 91 | 1 | 6 | 0 | 2 | 4A | 10/31/91 | | | | | |
| 23 | WO | 91 | 1 | 9 | 7 | 2 | 6A | 12/26/91 | | | | | |
| 24 | WO | 94 | 0 | 1 | 1 | 3 | 1 | 1/20/94 | | | | | |
| 25 | WO | 94 | 0 | 1 | 1 | 3 | 8 | 1/20/94 | | | | | |
| 26 | WO | 94 | 0 | 2 | 1 | 7 | 8 | 2/3/94 | | | | | |
| 27 | WO | 94 | 0 | 3 | 4 | 2 | 4 | 2/17/94 | | | | | |

| | |
|-----------------|------------------------|
| Examiner | Date Considered |
|-----------------|------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|-----------------------------------|--|------------------------------|--|
| Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | | | | | | | Atty. Docket No. 90,663-QQ | | Serial No. 10/050,271 | |
| | | | | | | | | | | Applicant: Yatvin et al. | | | |
| | | | | | | | | | | Filing Date: 1-15-2002 | | Group: 1651 | |

| | | | | | | | | | | | | | |
|----|----|----|---|---|---|---|----|----------|--|--|--|--|--|
| 28 | WO | 91 | 1 | 9 | 7 | 2 | 6A | 12/26/91 | | | | | |
| 29 | WO | 94 | 0 | 1 | 1 | 3 | 1 | 1/20/94 | | | | | |
| 30 | WO | 94 | 0 | 1 | 1 | 3 | 8 | 1/20/94 | | | | | |
| 31 | WO | 94 | 0 | 2 | 1 | 7 | 8 | 2/3/94 | | | | | |
| 32 | WO | 94 | 0 | 3 | 4 | 2 | 4 | 2/17/94 | | | | | |
| 33 | WO | 94 | 0 | 6 | 4 | 5 | 0 | 3/31/94 | | | | | |
| 34 | WO | 94 | 0 | 1 | 1 | 3 | 8 | 1/20/94 | | | | | |
| 35 | WO | 94 | 2 | 5 | 6 | 1 | 6 | 11/10/94 | | | | | |
| 36 | WO | 95 | 0 | 7 | 0 | 9 | 2 | 3/16/95 | | | | | |
| 37 | WO | 95 | 2 | 2 | 9 | 6 | 3 | 8/31/95 | | | | | |
| 38 | WO | 95 | 3 | 2 | 0 | 0 | 2 | 11/30/95 | | | | | |
| 39 | WO | 96 | 0 | 0 | 5 | 3 | 7 | 1/11/96 | | | | | |
| 40 | WO | 96 | 0 | 4 | 0 | 0 | 1 | 2/15/96 | | | | | |
| 41 | WO | 96 | 2 | 2 | 3 | 0 | 3 | 7/25/96 | | | | | |

| | |
|-----------------|------------------------|
| Examiner | Date Considered |
|-----------------|------------------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|--|--|---|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | | 42 | Abbas et al., "Antigen Presentation and T Cell Antigen Recognition," <i>Cellular as J. Mol. Immunol.</i> (W.B. Saunders Co.; Philadelphia), pp. 116-136 | | |
| | | 43 | Afzelius et al., <i>Biochim. Biophys. Acta</i> <u>979</u> : 231-238 (1989) | | |
| | | 44 | Alvarez-Dominquez et al., "Role of Complement Component C1q in Phagocytosis of <i>Listeria monocytogenes</i> by Murine Macrophage-Like Cell Lines," <i>Infect. Immun.</i> 61 :3664-3672 (1993) | | |
| | | 45 | Anderson et al., <i>J. Am. Chem. Soc.</i> <u>85</u> : 3039 (1963) | | |
| | | 46 | Ashborn et al., "Anti-HIV Activity of CD4- <i>Pseudomonas</i> Exotoxin on Infected Primary Human Lymphocytes and Monocyte/Macrophages," <i>J. Infect. Dis.</i> <u>163</u> : 703-709 (1991) | | |
| | | 47 | Baer, <i>Can. J. Biochem. Phys.</i> <u>34</u> : 288-304 (1955) | | |
| | | 48 | Bai and Amidon, "Structural Specificity of Mucosal-Cell Transport and Metabolism of Peptide Drugs: Implications for Oral Peptide Drug Delivery," <i>Pharm. Res.</i> <u>9</u> : 969-978 (1992) | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with any communication.

| | | | |
|--|----|---|------------------------------|
| Form PTO-1449 U.S. Department of Commerce Patent and Trademark Office INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| | | Applicant: Yatvin et al. | |
| | | Filing Date: 1-15-2002 | Group: 1651 |
| | 49 | Bai et al., "Utilization of Peptide Carrier System to Improve Intestinal Absorption: Targeting Prolidase as a Prodrug-Converting Enzyme," <i>J. Pharm. Sci.</i> <u>81</u> : 113-116 (1992) | |
| | 50 | Barlow et al., "Mast cells and T lymphocytes in chronic urticaria," <i>Clinical & Experimental Allergy</i> <u>25</u> : 317-322 (1995) | |
| | 51 | Baroni et al., "Expression of HIV in Lymph Node Cells of LAS Patients: Immunohistology, <i>In Situ</i> Hybridization, and Identification of Target Cells," <i>Am. J. Pathol.</i> <u>133</u> : 498-506 (1988) | |
| | 52 | Berdel et al., <i>Lipids</i> <u>22</u> : 943-946 (1987) | |
| | 53 | Bickel et al., "Pharmacologic effects <i>in vivo</i> in brain by vector-mediated peptide drug delivery," <i>Proc. Natl. Acad. Sci. USA</i> <u>90</u> : 2618-2622 (1993) | |
| | 54 | Blakey, "Drug Targeting with Monoclonal Antibodies," <i>Acta Oncol.</i> <u>31</u> : 91-97 (1992) | |
| | 55 | Blight et al., "Detection of hepatitis C virus RNA by <i>in situ</i> hybridization," <i>Liver</i> <u>12</u> : 286-289 (1992) | |
| | 56 | Blum et al., "Blood clearance and organ deposition of intravenously administered colloidal particles: the effects of particle size, nature and shape," <i>Int. J. Pharm.</i> <u>12</u> : 135-146 (1982) | |
| | 57 | Boehnlein et al., "Characterization of Esterase and Alcohol Dehydrogenase Activity in Skin. Metabolism of Retinyl Palmitate to Retinol (Vitamin A) During Percutaneous Absorption," <i>Pharmaceutical Research</i> <u>11</u> : 1155-1159 (1994) | |
| | 58 | Boman et al., "Cell-free immunity in Cecropia: A model system for antibacterial proteins," <i>Eur. J. Biochem.</i> <u>201</u> : 23-31 (1990) | |
| | 59 | Borissova et al., "Biodegradable Microspheres. 17. Lysosomal Degradation of Primaquine-Peptide Spacer Arms," <i>Journal of Pharmaceutical Sciences</i> , Vol. 84, No. 2, February 1995, pages 256-262 | |
| | 60 | Bou-Gharios et al., "Expression of ectopeptidases in scleroderma," <i>Annals of Rheumatic Disease</i> <u>54</u> : 111-116 (1995) | |
| | 61 | Brewster et al., "Improved Delivery through Biological Membranes XXXI: Solubilization and Stabilization of an Estradiol Chemical Delivery System by Modified β -Cyclodextrins," <i>J. Pharm. Sci.</i> <u>77</u> : 981-985 (1985) | |
| | 62 | Bromberg et al., "Detection of <i>Bordetella pertussis</i> Associated with the Alveolar Macrophages of Children with Human Immunodeficiency Virus Infection," <i>Infect. Immun.</i> <u>59</u> : 4715-4719 (1991) | |
| | 63 | Brown & Silvius, <i>Biochim. Biophys. Acta</i> <u>1023</u> : 341-351 (1990) | |
| | 64 | Brown et al., "Induction of Cell Surface Peptidase Activity: A Global Response to Cell Stress Correlated with Apoptosis," <i>J. Cellular Biochemistry</i> <u>54</u> : 320-331 (1994) | |
| | 65 | Brynstad et al., <i>J. Virol.</i> <u>64</u> : 680-685 (1990) | |

| | | | |
|----------|--|----|---|
| | | 66 | Buchmeier and Heffron, "Induction of <i>Salmonella</i> Stress Proteins upon Infection of Macrophages," <i>Science</i> <u>248</u> : 730-732 (1990) |
| | | 67 | Büyüktimkin et al., "Synthesis and Enhancing Effect of Dodecyl 2-(<i>N,N</i> -Dimethylamino)propionate on the Transepidermal Delivery of Indomethacin, Clonidine, and Hydrocortisone," <i>Pharmaceutical Research</i> <u>10</u> : 1632-1637 (1993) |
| Examiner | | | Date Considered |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|--|--|--|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |

| | | | |
|--|--|----|--|
| | | 68 | Chang, " <i>Leishmania donovani</i> : Promastigote-Macrophage Surface Interactions in Vitro," <i>Exp. Parasitol.</i> 48 :175-189 (1979) |
| | | 69 | Clarke et al., "Detection of HIV-1 in human lung macrophages using the polymerase chain reaction," <i>AIDS</i> 4 : 1133-1136 (1990) |
| | | 70 | Comiskey & Heath, <i>Biochim. Biophys. Acta</i> 1024 : 307-317 (1990) |
| | | 71 | Cordier et al., " <i>In vivo</i> Activation of Alveolar Macrophages in Ovine Lentivirus Infection," <i>Clin. Immunol. Immunopathol.</i> 55 : 355-367 (1990) |
| | | 72 | Couveur and Puisieux, "Nano- and microparticles for the delivery of polypeptides and proteins," <i>Adv. Drug Deliv. Rev.</i> 10 : 141-162 (1993) |
| | | 73 | Dachun et al., "Localization and Quantification of the Nonspecific Esterase in Injured Skin for Timing of Wounds," <i>Forensic Science International</i> 53 : 203-213 (1992) |
| | | 74 | De Magistris et al., "Antigen Analog-Major Histocompatibility Complexes Act As Antagonists of the T Cell Receptor," <i>Cell</i> 68 : 625-634 (1992) |
| | | 75 | Debs et al., <i>Biochim. Biophys. Acta</i> 901 : 183-190 (1987) |
| | | 76 | Deres et al., <i>Nature</i> 342 :561-564 (1989) |
| | | 77 | Dreyer et al., <i>Proc. Natl. Acad. Sci. USA</i> 86 : 9752-9756 (1989) |
| | | 78 | Duncan, "Drug-polymer conjugates: potential for improved chemotherapy," <i>Anticancer Drugs</i> 3 : 175-210 (1992) |
| | | 79 | Elliott et al., "Naturally processed peptides," <i>Nature</i> 348 : 195-197 (1990) |
| | | 80 | Embretson et al., "Massive covert infection of helper T lymphocytes and macrophages by HIV during the incubation period of AIDS," <i>Nature</i> 362 : 359-361 (1993) |
| | | 81 | Falk et al., "Allele-specific motifs revealed by sequencing of self-peptides eluted from MHC molecules," <i>Nature</i> 351 : 290-291 (1991) |
| | | 82 | Falk et al., "Cellular peptide composition governed by major histocompatibility complex class I molecules," <i>Nature</i> 348 : 248-251 (1990) |
| | | 83 | Faulk et al., "Transferrin-Adriamycin Conjugates which Inhibit Tumor Cell Proliferation without Interaction with DNA Inhibit Plasma Membrane Oxidoreductase and Proton Release in K562 Cells," <i>Biochem. Int.</i> 25 : 815-822 (1991) |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|----|--|-----------------|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | 84 | Faustman et al., "Linkage of Faulty Major Histocompatibility Complex Class I to Autoimmune Diabetes," <i>Science</i> <u>254</u> : 1756-1776 (1991) | | | |
| | 85 | Franssen et al., "Low Molecular Weight Proteins as Carrier for Renal Drug Targeting: Preparation of Drug-Protein Conjugates and Drug-Spacer Derivatives and Their Catabolism in Renal Cortex Homogenates and Lysosomal Lysates," <i>J. Med. Chem.</i> <u>35</u> : 1246-1259 (1992) | | | |
| | 86 | Frehel et al., "Intramacrophage Growth of <i>Mycobacterium avium</i> during Infection of Mice," <i>Infect. Immun.</i> <u>59</u> : 2207-2214 (1991) | | | |
| | 87 | Friedman et al., "Uptake and Intracellular Survival of <i>Bordetella pertussis</i> in Human Macrophages," <i>Infect. Immun.</i> <u>60</u> : 4578-4585 (1992) | | | |
| | 88 | Frisch et al., "Parameters affecting the immunogenicity of a liposome-associated synthetic hexapeptide antigen," <i>Eur. J. Immun.</i> <u>21</u> : 185-193 (1991) | | | |
| | 89 | Gaspar et al., "Drug targeting with polyalkylcyanoacrylate nanoparticles: <i>in vitro</i> activity of primaquine-loaded nanoparticles against intracellular <i>Leishmania donovani</i> ," <i>Ann. Trop. Med. Parasitol.</i> <u>86</u> : 41-49 (1992) | | | |
| | 90 | Gendelman et al., "Slow, persistent replication of lentiviruses: Role of tissue macrophages and macrophage precursors in bone marrow," <i>Proc. Natl. Acad. Sci. USA</i> <u>82</u> : 7086-7090 (1985) | | | |
| | 91 | Germain & Hendrix, "MHC class II structure, occupancy and surface expression determined by post-endoplasmic reticulum antigen binding," <i>Nature</i> <u>353</u> : 134-139 (1991) | | | |
| | 92 | Groisman et al., "Resistance to host antimicrobial peptides is necessary for <i>Salmonella</i> virulence," <i>Proc. Natl. Acad. Sci. USA</i> <u>89</u> : 11939-11943 (1992) | | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.

90,663-QQ

Serial No.

10/050,271

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Applicant: Yatvin et al.

Filing Date: 1-15-2002

Group: 1651

| | | |
|--|-----|---|
| | 93 | Guéry et al., "Selective Immunosuppression by Administration of Major Histocompatibility Complex (MHC) Class II-binding Peptides. I. Evidence for In Vivo MHC Blockade Preventing T Cell Activation," <i>J. Exp. Med.</i> <u>175</u> : 1345-1352 (1992) |
| | 94 | Halstead et al., "Dengue Viruses and Mononuclear Phagocytes: I. Infection Enhancement by Non-Neutralizing Antibody," <i>J. Exp. Med.</i> <u>146</u> :201-217 (1977) |
| | 95 | Hashimoto et al., <i>Biochim. Biophys. Acta</i> <u>816</u> : 163-168 (1985) |
| | 96 | Hashimoto et al., <i>Biochim. Biophys. Acta</i> <u>816</u> : 169-178 (1985) |
| | 97 | Heath and Martin, <i>Chem. Phys. Lipids</i> <u>40</u> : 347-358 (1986) |
| | 98 | Heath et al., <i>Biochim. Biophys. Acta</i> <u>862</u> : 72-80 (1986) |
| | 99 | Heath, <i>Methods in Enzymol.</i> <u>149</u> : 111-119 |
| | 100 | Heinrich et al., "In-vivo Release of a GnRH Agonist from a Slow-release Poly(lactide-glycolide) Copolymer Preparation: Comparison in Rat, Rabbit and Guinea-Pig," <i>J. Pharm. Pharmacol.</i> <u>43</u> : 762-765 (1991) |
| | 101 | Henrikus and Kampffmeyer, "Ester hydrolysis conjugation reactions in intact skin and skin homogenate, and by liver esterase of rabbits," <i>Xenobiotica</i> <u>22</u> : 1357-1366 (1992) |
| | 102 | Heymann et al., "Organophosphate Sensitive and Insensitive Carboxylesterases in Human Skin," <i>Chem. Biol. Interactions</i> <u>87</u> : 217-226 (1993) |
| | 103 | Hopp, "Immunogenicity of a Synthetic HBsAg Peptide: Enhancement by Conjugation to a Fatty Acid Carrier," <i>Mol. Immunol.</i> <u>21</u> : 13-16 (1984) |
| | 104 | Horwitz and Maxfield, " <i>Legionella pneumophila</i> Inhibits Acidification of its Phagosome in Human Monocytes," <i>J. Cell Biol.</i> <u>99</u> : 1936-1943 (1984) |
| | 105 | Horwitz, "Interactions between Macrophages and <i>Legionella pneumophila</i> ," <i>Curr. Top. Microbiol. Immunol.</i> <u>181</u> :265-282 (1992) |
| | 106 | Horwitz, "The Legionnaires' Disease Bacterium (<i>Legionella pneumophila</i>) Inhibits Phagosome-Lysosome Fusion in Human Monocytes," <i>J. Exp. Med.</i> <u>158</u> : 2108-2126 (1983) |
| | 107 | Hostetler et al., <i>J. Biol. Chem.</i> <u>265</u> : 6112-6117 (1990) |
| | 108 | Hunter et al., "Vesicular Systems (Niosomes and Liposomes) for Delivery of Sodium Stibogluconate in Experimental Murine Visceral Leishmaniasis," <i>J. Pharm. Pharmacol.</i> <u>40</u> : 161-165 (1988) |
| | 109 | Jacobson et al., <i>FEBS Lett.</i> <u>225</u> : 97-102 (1987) |

| | | |
|----------|-----|---|
| | 110 | Jardetzky et al., "Identification of self peptides bound to purified HLA-B27," <i>Nature</i> <u>353</u> : 326-329 (1991) |
| | 111 | Jones and Hirsch, "The Interaction between <i>Toxoplasma gondii</i> and Mammalian Cells," <i>J. Exp. Med.</i> , <u>136</u> :1173-1194 (1972) |
| | 112 | Kanno et al., "Aleutian Mink Disease Parvovirus Infection of Mink Peritoneal Macrophages and Human Macrophage Cell Lines," <i>J. Virol.</i> <u>67</u> :2075-2082 |
| | 113 | Kanno et al., "Identification of Aleutian Mink Disease Parvovirus Transcripts in Macrophages of Infected Adult Mink," <i>J. Virol.</i> <u>66</u> :5305-5312 (1992) |
| | 114 | King et al., "In Vivo Selection of Lymphocyte-Tropic and Macrophage-Tropic Variants of Lymphocytic Choriomeningitis Virus during Persistent Infection," <i>J. Virol.</i> <u>64</u> : 5611-5616 (1990) |
| | 115 | Kinsky & Loeder, <i>Biochim. Biophys. Acta</i> <u>921</u> : 96-103 (1987) |
| | 116 | Kinsky et al., <i>Biochim. Biophys. Acta</i> <u>885</u> : 129-135 (1986) |
| | 117 | Kinsky et al., <i>Biochim. Biophys. Acta</i> <u>917</u> : 211-218 (1987) |
| | 118 | Kishimoto, <i>Chem. Phys. Lipids</i> <u>15</u> : 33-36 (1975) |
| | 119 | Koenig et al., "Detection of AIDS Virus in Macrophages in Brain Tissue from AIDS Patients with Encephalopathy," <i>Science</i> <u>233</u> : 1089-1093 (1986) |
| Examiner | | Date Considered |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|--|--|---|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | | 120 | Kondo et al., "Latent human herpesvirus 6 infection of human monocytes/macrophages," <i>J. Gen. Virol.</i> <u>72</u> : 1401-1408 (1991) | | |
| | | 121 | Koval & Pagano, "Lipid Recycling between the Plasma Membrane and Intracellular Compartments: Transport and Metabolism of Fluorescent Sphingomyelin Analogues in Cultured Fibroblasts," <i>J. Cell Biol.</i> <u>108</u> : 2169-2181 (1989) | | |
| | | 122 | Kratz et al., "Keratinocyte conditioned medium stimulates type IV collagenase synthesis in cultured human keratinocytes and fibroblasts," <i>Brit. J. Dermatology</i> <u>133</u> : 842-846 (1995) | | |
| | | 123 | Kreeger, <i>The Scientist</i> , September 16, 1996, p. 6 | | |
| | | 124 | Krowka et al., <i>J. Immunol.</i> <u>144</u> : 2535-2540 (1990) | | |
| | | 125 | Kubota et al., "Metabolism and Degradation of Betamethasone 17-Valerate in Homogenized Living Skin Equivalent," <i>Dermatology</i> <u>188</u> : 13-17 (1994) | | |
| | | 126 | Kung and Redemann, <i>Biochim. Biophys. Acta</i> <u>862</u> : 435-439 (1986) | | |
| | | 127 | Lamont et al., "The use of Peptide Analogs with Improved Stability and MHC Binding Capacity to Inhibit Antigen Presentation In Vitro and In Vivo," <i>J. Immunol.</i> <u>144</u> : 2493-2498 (1990) | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|-----|---|-----------------|-------------------------------|-------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-NN | Serial No. 09/060011 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 5-16-2000 | Group: 1651 |
| | 128 | Lanzavecchia et al., "Irreversible association of peptides with class II MHC molecules in living cells," <i>Nature</i> <u>357</u> : 249-252 (1992) | | | |
| | 129 | Larsen et al., "Stability of ketoprofen-dextran ester prodrugs in homogenates of various segments of the pig GI tract," <i>Acta Pharm. Nord.</i> <u>3</u> : 41-44 (1991) | | | |
| | 130 | Lee et al., "Antibacterial peptides from pig intestines: Isolation of a mamalian cecropin," <i>Proc. Natl. Acad. Sci. USA</i> <u>86</u> : 9159-9162 (1989) | | | |
| | 132 | Lehrer et al., "Defensins: Endogenous Antibiotic Peptides of Animal Cells," <i>Cell</i> <u>64</u> : 229-230 (1991) | | | |
| | 133 | Lin et al., "Preparation of Enteric-Coated Microspheres of myplasma hyopneumoniae vaccine with cellulose acetate; (ii) effect of temperature and ph on the stability and release behaviour of microspheres," <i>Journal of Microencapsulation</i> , Vol. 8, No. 4: 537-545 (1991) | | | |
| | 134 | Lipozencic et al., "Langerhans cells in the immunopathology of contact allergic dermatitis," <i>Eur. J. Histochem</i> <u>38</u> : 303-310 (1994) | | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|-----|--|-----------------|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | 135 | Loughery et al., <i>J. Immunol. Methods</i> <u>132</u> : 25-35 (1990) | | | |
| | 136 | MacDonald, <i>J. Biol. Chem.</i> <u>265</u> : 13533-13539 (1990) | | | |
| | 137 | Maciejewski et al., "Infection of Mononucleated Phagocytes with Human Cytomegalovirus," <i>Virol.</i> <u>195</u> : 327-336 (1993) | | | |
| | 138 | Matsura et al., <i>J. Chem. Soc. Chem. Comm.</i> <u>xx</u> : 451-459 (1976) | | | |
| | 139 | Mauel et al., "Quantitative Release of Live Micro-organisms from Infected Macrophages by Sodium Dodecyl Sulfate," <i>Nature New Biol.</i> <u>244</u> :93-94 (1973) | | | |
| | 140 | Mauel, "Macrophage-Parasite Interactions in <i>Leishmania</i> Infections," <i>J. Leukocyte Biol.</i> <u>47</u> : 187-193 (1990) | | | |
| | 141 | McEntee et al., "Rhesus monkey macrophages infected with simian immunodeficiency virus cause rapid lysis of CD4-bearing lymphocytes," <i>J. Gen. Virol.</i> <u>72</u> : 317-324 (1991) | | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|--|--|--|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |

| | | | |
|--|--|-----|---|
| | | 142 | Meltzer and Gendelman, "Mononuclear Phagocytes as Targets, Tissue Reservoirs, and Immunoregulatory Cells in Human Immunodeficiency Virus Disease," <i>Curr. Topics Microbiol. Immunol.</i> <u>181</u> : 239-263 (1992) |
| | | 143 | Menger et al., "Synthesis of a Lipid/Peptide/Drug Conjugate: N4-(Acylpeptidyl)- ARA-C," <i>Bioconjugate Chemistry</i> <u>5</u> : 162-166 (1994) |
| | | 144 | Moehrle et al., "Aminopeptidase M and dipeptidyl peptidase IV activity in epithelial skin tumors: a histochemical study," <i>J. Cutaneous Pathology</i> <u>22</u> : 241-247 (1995) |
| | | 145 | Mukherjee & Heidelberger, <i>Cancer Res.</i> <u>22</u> : 815-822 (1962) |
| | | 146 | Murray et al., "Experimental Visceral Leishmaniasis: Production of Interleukin 2 and Interferon γ , Tissue Immune Reaction, and Response to Treatment with Interleukin 2 and Interferon γ ," <i>J. Immunol.</i> <u>138</u> : 2290-2296 (1987) |
| | | 147 | Narayan et al., "Lentivirus Induced Arthritis in Animals," <i>J. Rheumatol.</i> <u>32</u> :25-32 (1992) |
| | | 148 | Negre et al., "Antileishmanial Drug Targeting through Glycosylated Polymers Specifically Internalized by Macrophage Membrane Lectins," <i>Antimicrob. Agents and Chemother.</i> <u>36</u> : 2228-2232 (1992) |
| | | 149 | Neto et al., <i>Biochem. Biophys. Res. Commun.</i> <u>171</u> : 458-464 (1990) |
| | | 150 | Neurath et al., <i>J. Gen. Virol.</i> <u>65</u> :1009-1014 (1984) |
| | | 151 | Ng & Heath, <i>Biochim. Biophys. Acta</i> <u>981</u> : 261-268 (1989) |
| | | 152 | Nogueira and Cohn, "Trypanosoma cruzi: Mechanisms of Entry and Intracellular Fate in Mammalian Cells," <i>J. Exp. Med.</i> <u>143</u> :1402-1420 (1976) |
| | | 153 | Nothnagel, <i>Biochim. Biophys. Acta</i> <u>980</u> : 209-219 (1989) |
| | | 154 | Pagano et al., <i>J. Biol. Chem.</i> <u>258</u> : 2034-2040 (1983) |
| | | 155 | Panuska et al., "Productive Infection of Isolated Human Alveolar Macrophages by Respiratory Syncytial Virus," <i>J. Clin. Invest.</i> <u>86</u> : 113-119 (1990) |
| | | 156 | Pardridge, "Opioid Peptide Drug Development: Transport of Opioid Chimeric Peptides through the Blood-Brain Barrier," <i>NIDA Res. Monograph</i> <u>120</u> : 153-168 (1992) |
| | | 157 | Parham, "Transporters of delight," <i>Nature</i> <u>348</u> : 674-675 (1990) |

| | |
|----------|-----------------|
| Examiner | Date Considered |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|-----|--|--|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | 158 | Paul and Anderson, <i>J. Am. Chem. Soc.</i> <u>82</u> : 4596-4600 (1960) | | | |
| | 159 | Payne et al., "Phagocytosis of <i>Legionella pneumophila</i> is Mediated by Human Monocyte Complement Receptors," <i>J. Exp. Med.</i> <u>166</u> : 1377-1389 (1987) | | | |
| | 160 | Rahman et al., <i>Life Sci.</i> <u>31</u> : 2061-2071 (1982) | | | |
| | 161 | Remy et al., <i>J. Org. Chem.</i> <u>27</u> : 2491-2500 (1962) | | | |
| | 162 | Rosenberg et al., <i>J. Neurochem.</i> <u>48</u> : 865-875 (1987) | | | |
| | 163 | Rowlinson-Busza and Epenetos, "Targeted delivery of biologic and other antineoplastic agents," <i>Curr. Opin. Oncol.</i> <u>4</u> : 1142-1148 (1992) | | | |
| | 164 | Rubinstein et al., "In Vitro Evaluation of Calcium Pectinate: A Potential Colon-Specific Drug Delivery Carrier," <i>Pharm. Res.</i> <u>10</u> : 258-263 (1993) | | | |
| | 165 | Sadegh-Nasseri and Germain, "A role for peptide in determining MHC class II structure," <i>Nature</i> <u>353</u> : 167-170 (1991) | | | |
| | 166 | Saffran et al., "A New Approach to the Oral Administration of Insulin and Other Peptide Drugs," <i>Science</i> <u>233</u> : 1081-1084 (1986) | | | |
| | 167 | Salord et al., <i>Biochim. Biophys. Acta</i> <u>886</u> : 64-75 (1986) | | | |
| | 168 | Schlessinger and Horwitz, "Phagocytosis of Leprosy Bacilli is Mediated by Complement Receptors CR1 and CR3 on Human Monocytes and Complement Component C3 in Serum," <i>J. Clin. Invest.</i> <u>85</u> : 1304-1314 (1990) | | | |
| | 169 | Schmitt et al., "Multiplication of Human Immunodeficiency Virus in Primary Cultures of Human Kupffer Cells - Possible Role of Liver Macrophage Infection in the Physiopathology of AIDS," <i>Res. Virol.</i> <u>141</u> : 143-152 (1990) | | | |
| | 170 | Schnorr et al., "MxA-Dependent Inhibition of Measles Virus Glycoprotein Synthesis in a Stably Transfected Human Monocytic Cell Line," <i>J. Virol.</i> <u>67</u> : 4760-4768 (1993) | | | |
| | 171 | Seifert et al., <i>Biochem. J.</i> <u>267</u> : 795-802 (1990) | | | |
| | 172 | Sellon et al., "Wild-Type Equine Infectious Anemia Virus Replicates in Vivo Predominantly in Tissue Macrophages, Not in Peripheral Blood Monocytes," <i>J. Virol.</i> <u>66</u> : 5906-5913 (1992) | | | |
| | 173 | Senter et al., "Activation of Prodrugs by Antibody-Enzyme Conjugates," in <u>Immunobiology of Peptides and Proteins</u> , Vol. VI, pp. 97-105 (1991) | | | |
| | 174 | Shanley and Pesanti, "Murine Peritoneal Macrophages Support Murine Cytomegalovirus Replication," <i>Infect. Immunol.</i> <u>41</u> : 1352-1359 (1983) | | | |

| | | |
|--|-----|---|
| | 175 | Shen et al., "Cis-Aconityl Spacer between Daunomycin and Macromolecular Carriers: A Model of pH Sensitive Linkage Releasing Drug from a Lysomotropic Conjugate," <i>Biochem. Biophys. Res. Commun.</i> 102 :1048-1052 (1981) |
| | 176 | Sierra-Honigman et al., "Borna disease virus in peripheral blood mononuclear and bone marrow cells of neonatally and chronically infected rats," <i>J. Neuroimmunol.</i> 45 : 31-36 (1993) |
| | 177 | Sintov et al., "Enzymatic cleavage of disaccharide side groups in insoluble synthetic polymers: a new method for specific delivery of drugs to the colon," <i>Biomaterials</i> 14 : 483-490 (1993) |
| | 178 | SivaSai et al., "Effect of Recombinant Interferon Gamma Administration on Lesional Monocytes/Macrophages in Lepromatous Leprosy Patients," <i>Int. J. Leprosy & Other Mycobacterial Diseases</i> 61 : 259-269 (1993) |
| | 180 | Smith and Khorana, <i>J. Amer. Chem. Soc.</i> 80 : 1141-1145 (1958) |
| | 181 | Steim et al., <i>Biochem. Biophys. Res. Commun.</i> 171 : 451-457 (1990) |

Examiner

Date Considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|-----|--|-----------------|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | 182 | Strellrecht-Broomhall, "Evidence for Immune-Mediated Destruction as Mechanism for LCMV-Induced Anemia in Persistently Infected Mice," <i>Viral Immunol.</i> <u>4</u> : 269-280 (1991) | | | |
| | 183 | Sturgill-Koszycki et al., "Lack of Acidification in <i>Mycobacterium</i> Phagosomes Produced by Exclusion of the Vesicular Proton-ATPase," <i>Science</i> <u>263</u> : 678-681 (1994) | | | |
| | 184 | Trouet et al., "A covalent linkage between daunorubicin and proteins that is stable in serum and reversable by lysosomal hydrolases, as required for a lysomotropic drug-carrier conjugate: In vitro and in vivo studies," <i>Proc. Natl. Acad. Sci. USA</i> <u>79</u> :626-629 (1982) | | | |
| | 185 | van Wijk et al., <i>Biochim. Biophys. Acta</i> <u>1084</u> : 307-310 (1991) | | | |
| | 186 | Vandenbark et al., <i>Nature</i> <u>341</u> :841-844 (1989) | | | |
| | 187 | Verbloom et al., <i>Synthesis</i> <u>1032</u> : 807-809 (1981) | | | |
| | 188 | Wada et al., "Salt Formation of Lactic Acid Oligomers as Matrix for Sustained Release of Drugs," <i>J. Pharm. Pharmacol.</i> <u>43</u> : 605-608 (1991) | | | |
| | 189 | Wiesmüller et al., "The antibody response in BALB/c mice to the <i>Plasmodium falciparum</i> circumsporozoite repetitive epitope covalently coupled to synthetic lipopeptide adjuvant," <i>Immun.</i> <u>72</u> : 109-113 (1991) | | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.

| | | | | | |
|--|--|--|--|-----------------------------------|------------------------------|
| Form PTO-1449 | | U.S. Department of Commerce Patent and Trademark Office | | Atty. Docket No. 90,663-QQ | Serial No. 10/050,271 |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Applicant: Yatvin et al. | |
| | | | | Filing Date: 1-15-2002 | Group: 1651 |
| | | 190 | Wyrick and Brownridge, "Growth of <i>Chlamydia psittaci</i> in Macrophages," <i>Infect. Immunol.</i> 19 :1054-1060 (1978) | | |
| | | 191 | Yatvin et al., "Targeting Lipophilic Prodrugs to Brain, Lung, and Spleen," <i>Journal of Cellular Biochemistry</i> , Vol. 0, No. 19A: 173 (1995) | | |
| | | 192 | Yatvin, "A Multi-Modality Approach for the Treatment of AIDS," <i>Select. Cancer. Therapeut.</i> 7 : 23-28 (1991) | | |
| | | 193 | Zasloff, "Magainins, a class of antimicrobial peptides from <i>Xenopus</i> skin: Isolation, characterization of two active forms, and partial cDNA sequence of a precursor," <i>Proc. Natl. Acad. Sci USA</i> 84 : 5449-5453 (1987) | | |
| | | 194 | Zhang and McCormick, "Uptake of N-(4'-pyridoxyl)amines and release of amines by renal cells: A model for transporter-enhanced delivery of bioactive compounds," <i>Proc. Natl. Acad. Sci. USA</i> 88 : 10407-10410 (1991) | | |
| Examiner | | | Date Considered | | |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with any communication.